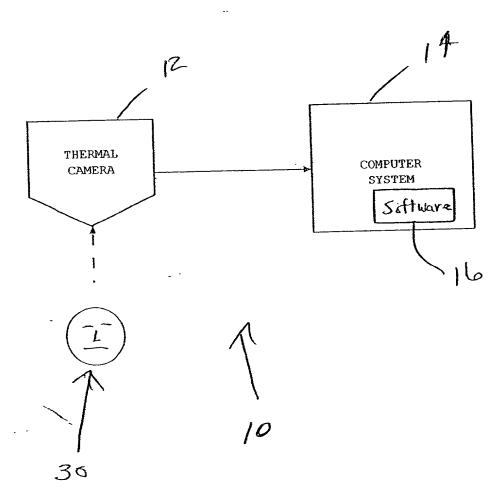
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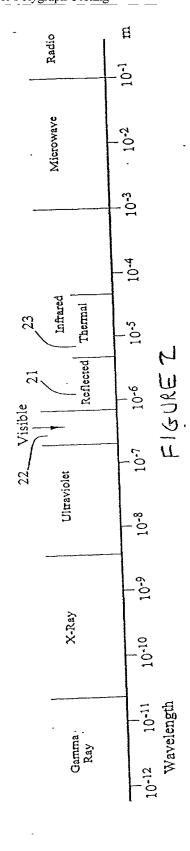
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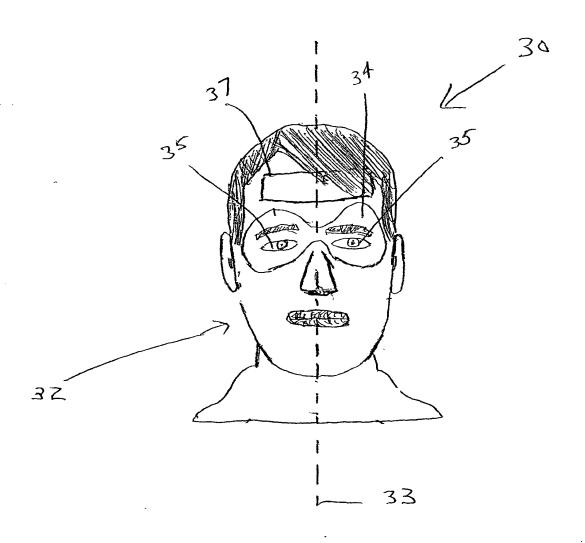
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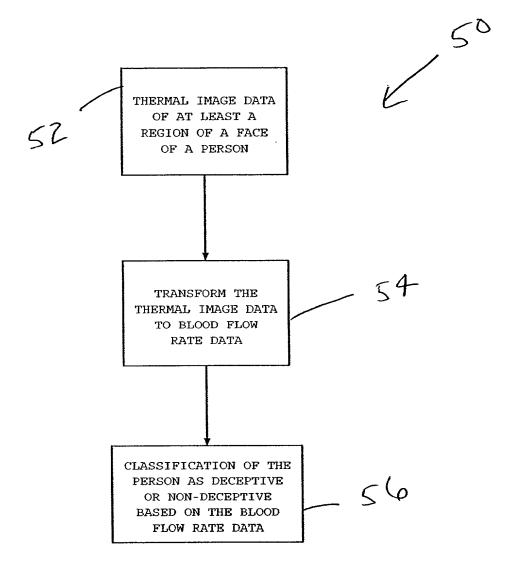
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FIGURE 3



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F18. 4

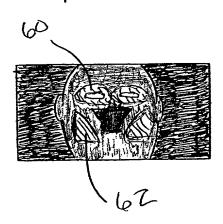


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F16.5A



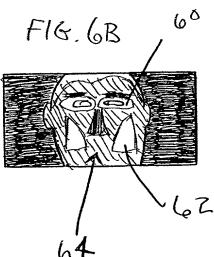
F16. 6A



F16.5B



F16.6B

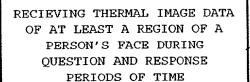


John G. Shudy, Jr., Attorney System & Method Using Thermal Image Analysis & Slope Threshold Classification for Polygraph Testing RECIEVING THERMAL IMAGE DATA OF AT LEAST A REGION OF A 201 PERSON'S FACE DURING A RESPONSE TO A QUESTION DETERMINE CHANGE OF THE BLOOD FLOW RATE OVER TIME (e.g., slope) CLASSIFYING A PERSON'S RESPONSE TO THE QUESTION AS DECEPTIVE OR NON-DECEPTIVE BASED ON THE CHANGE OF BLOOD FLOW RATE OVER TIME RECIEVING THERMAL IMAGE 110 DATA OF AT LEAST A REGION OF A PERSON'S FACE DURING A RESPONSE TO A QUESTION DETERMINE CHANGE OF THE F16.11A BLOOD FLOW RATE OVER TIME (e.g., slope) GENERATING A SLOPE THRESHOLD COMPARING THE SLOPE FOR A PERSON'S RESPONSE TO THE OUESTION TO THE SLOPE THRESHOLD TO CLASSIFY THE RESPONSE AS DECEPTIVE OR NON-DECEPTIVE

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FIG. 11B



DETERMINE CHANGE OF THE BLOOD FLOW RATE OVER TIME FOR BOTH QUESTION AND RESPONSE TIME PERIODS AND PROVIDE PRODUCT SLOPE.

GENERATING A PRODUCT SLOPE THRESHOLD BASED ON QUESTION AND RESPONSE SLOPES

COMPARING THE PRODUCT SLOPE FOR A PERSON TO THE PRODUCT SLOPE THRESHOLD TO CLASSIFY THE RESPONSE AS DECEPTIVE OR NON-DECEPTIVE

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